

Notice of Allowability

Application No.

09/613,952

Applicant(s)

LAPPETELAINEN ET AL.

Examiner

Stephen M. D'Agosta

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7-12-04.
2. ☒ The allowed claim(s) is/are 7, 12, 13, 15, 19-22, 25 and 26.
3. ☒ The drawings filed on 11 July 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date ____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

DETAILED ACTION

Response to Arguments

The amendment received 7-12-04 overcomes the examiner's prior art rejection. Hence claims 7, 12-13, 15, 19-22 and 25-26 are allowed.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

1. The applicant has amended all claims such that they are, in the examiner's opinion, novel over the prior art cited.

2. The independent claims recite highly specific designs with novel material, such as:

An assembly for a radio communication system having a network infrastructure for communicating data with a plurality of mobile stations, the data forming portions of communication signals transmitted at selected power levels, said assembly for facilitating selection of the power levels at which mobile stations are to transmit the communication signals, said assembly comprising:

a signal generator coupled to the network infrastructure for generating, during selected intervals, a transmit power indication signal for broadcast transmission to the plurality of mobile stations, the transmit power indication signal indicating a maximum allowable power level at which each of the plurality of mobile stations are to transmit the communication signals, and for generating a power correction information signal for transmission to a selected at least one of the plurality of mobile stations, the power correction information signal for use by the mobile station in selecting a power level at which to transmit the communication signals,

a mobile-station power-level calculator positioned at the selected at least one of the plurality of mobile stations, said mobile-station power-level calculator operable, responsive to the value of the transmit power indication signal and to the value of the power correction information signal, to calculate a power-level at which communication signals are to be transmitted by the selected at least one mobile station,

wherein the radio communication system defines beacon intervals within which beacon signals are broadcast by the network infrastructure, and wherein the transmit power indication signal is generated for broadcast as part of at least one beacon signal;

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wherein the radio communication system defines polling periods during which the network infrastructure polls a selected one of the plurality of mobile stations; and

wherein the power correction information signal is transmitted to the selected at least one of the mobile stations when the network infrastructure polls the selected at least one of the mobile stations.

3. Claims 15 and 25-26 further disclose contention free and contention periods.

4. Claim 19 further discloses selected intervals for transmissions as well as power levels.

5. Claim 22 further discloses power management apparatus, beacon intervals and transmit power indication signal broadcast as a field in the beacon-frame body of the beacon signals.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen M. D'Agosta whose telephone number is 703-306-5426. The examiner can normally be reached on M-F, 8am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Trost can be reached on 703-308-5318. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Stephen D'Agosta
8-17-04



WILLIAM TROST
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